

## GROUNDWATER

### Use

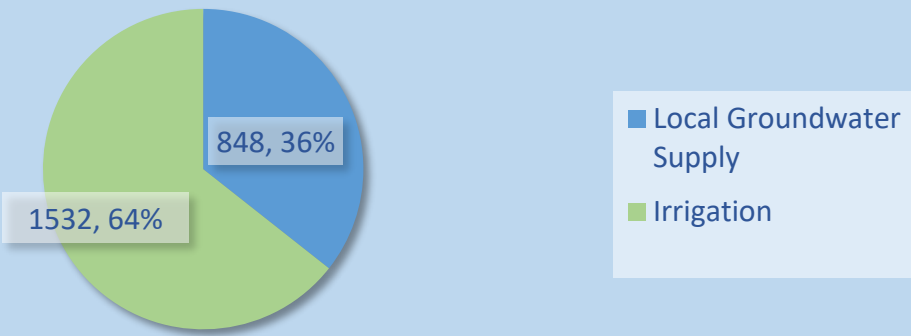
The San Mateo Plain is not a highly used basin. Their drinking water is mostly supplied by San Francisco Public Utility Commission, providing Hetch Hetchy water, except for two small water systems in East Palo Alto (Palo Alto Park Mutual and O'Connor Coop) that rely upon groundwater for drinking water exclusively. Approximately 2,300 acre-feet of groundwater are pumped from the basin annually.

Groundwater uses include:

- Irrigation: 64%
- Water Supply: 36%

### Water Supply Resources

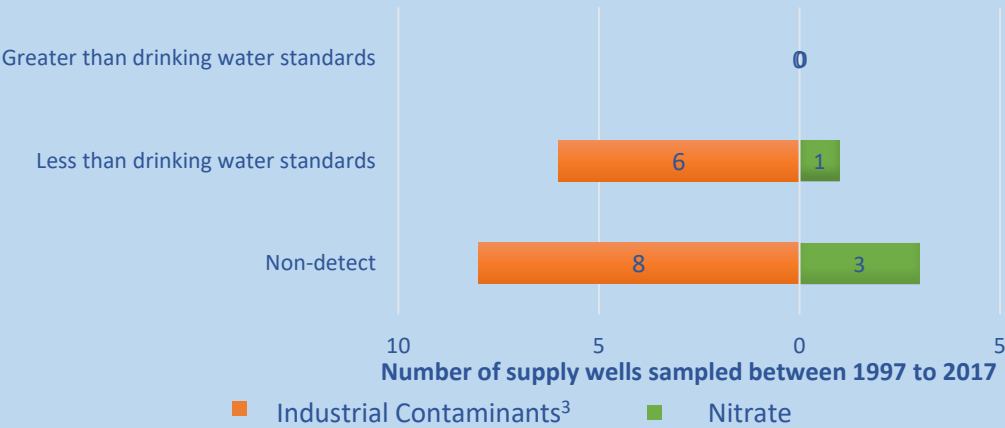
Acre-Feet per Year



### Quality

The 2018 Final Groundwater Basin Assessment Report prepared for the San Mateo Plain, states that deeper water quality is better than shallow water quality, and iron and manganese appear to be naturally occurring and have exceeded secondary drinking water standards at some municipal supply wells. As of 2017, the State Water Resources Control Board's Division of Drinking Water (DDW) permitted 459 water supply wells<sup>1</sup> within the San Mateo Plain basin.

### Supply Well Sample Results<sup>2</sup>



<sup>1</sup>The majority of supply wells are municipal/community wells that are typically deeper than private irrigation or domestic wells

<sup>2</sup>Data source: State Water Board Division of Drinking Water (DDW), Groundwater Ambient Monitoring and Assessment (GAMA), and GeoTracker GAMA

<sup>3</sup>Includes one or more of the following: Tetrachloroethene, Trichloroethene, 1,2,3-Trichloropropane, 1,4-Dioxane, Perchlorate, and Methyl tert-butyl ether

*Disclaimer:* Contaminant detections are from a majority of supply wells on specific dates between 1997 to 2017. They are not necessarily representative of water quality throughout an aquifer or the basin. Supply wells are mainly public but may include some domestic and irrigation wells.

### Recharge

The two main sources of recharge are stream channel percolation and stormwater infiltration. There are no projects planned to assist in recharging the basin, as it's not heavily used, groundwater levels are shallow, and there is a lack of suitable locations for any type of recharge project currently.

## RESOURCES

[San Francisco Bay Regional Water Quality Control Board](#)

[Department of Water Resources](#)

[State Water Resources Control Board GAMA](#)

[San Mateo County Office of Sustainability](#)

[San Mateo Plain Final Basin Assessment, July 2018](#)



## MANAGEMENT

Sustainable Groundwater Management Act (SGMA)	<a href="#">Very Low Priority</a>
Groundwater Sustainability Agency (GSA)	A GSA has not been formed and is not required. Only medium and high priority SGMA basins are required to have a GSA.
Groundwater Management Plan (GMP)	A <a href="#">groundwater basin assessment</a> was completed in July 2018. Only medium and high priority SGMA basins are required to submit a Groundwater Sustainability Plan.
Salt and Nutrient Management Plan (SNMP)	SNMP has not been prepared.
Basin Monitoring	All eligible entities are discussing interest in monitoring through the California Statewide Groundwater Elevation Monitoring Program.

### Water Board Groundwater Protection Actions<sup>4</sup>

Active Site Cleanups	71
Landfills, Mines, and Compost Facilities	4
Regulated Wastewater Discharges (dairies, confined animals, wineries, wastewater treatment plants, etc.)	0
Permitted Recycled Water Projects (including discharge to land)	4
Groundwater Ambient Monitoring and Assessment	2007 2013

<sup>4</sup>As of January 2018. Includes all actions within the basin's watersheds.